

## BAY AREA ATARI USERS GROUP NEWSLETTER

is published by the Bay Area Atari Users Group, an informal association of individuals. This group is not affiliated with Atari, Inc. or any other commercial organization. Any logos, trademarks, or company names are used either with permission or as an informal way of referring to a product or organization.

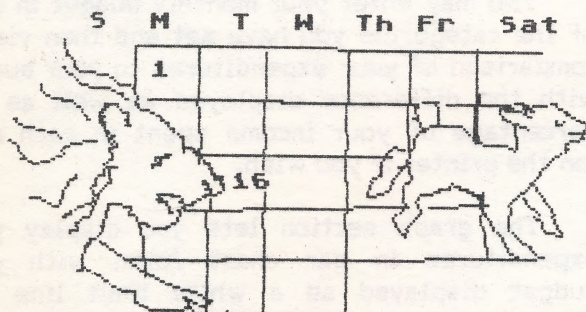
### CORRESPONDENCE ADDRESS:

Bay Area Atari Users Group  
4029 Payne Ave.  
San Jose, Calif., 95117  
Phone 408-244-7181

All articles are written and donated by readers. opinions expressed in this publication are those of the individual author and do not necessarily represent or reflect the opinions of the Bay Area Atari Users Group as a whole or any other commercial or non-commercial organization.

Please submit articles camera ready, typed or printed in 3 1/2 inch columns. Mail to "EDITOR" at the correspondence address.

Subscriptions (which include Group membership) are \$12 per year and entitle you to 12 newsletters. Single newsletters are \$1.



## BAY AREA ATARI USER GROUP OFFICERS

### CHAIRPERSON: DAVE FLORY

4029 PAYNE AVE.  
SAN JOSE, CA., 95117  
408-244-7181

### SPEAKERS: CLYDE SPENCER

1714 B MARSHALL CT.  
LOS ALTOS, CA., 94022  
415-965-9355

### NEWSLETTER: SOMEONE NEEDED

### ADVERTISING SALES: SOMEONE NEEDED

### TREASURER: VICTOR ROGERS

17595 MANZANITA DR.  
MORGAN HILL, CA., 95037  
408-779-0185

### DOCUMENTS: RON GUDITUS

685 JEFFREY AVE.  
CAMPBELL CA., 95008  
408-378-5110

### SECRETARY: ROBERT KAWARATANI

2460 W. BAYSHORE #8  
PALO ALTO, CA., 94303  
415-856-3579

### PROGRAMS:

#### DISKS: HANS HANSEN

42663 LERWICK ST.  
FREMONT, CA., 94538  
415-490-0175

#### TAPES: ROBERT HINDS

4944 NEW WORLD DR.  
SAN JOSE, CA., 95136  
408-226-4513

## PROBLEM HOTLINE

EVENING	CONTACT	PHONE NUMBER	SPECIALTY
MONDAY	Robin Ziegler	408-438-6879	Graphics
TUESDAY	Chris McAfee	408-258-8442	Hardware
WEDNESDAY	John Crane	408-268-7317	Basic & FORTH
THURSDAY	Paul Conrad	408-226-7676	Basic
FRIDAY	Skip Inskeep	408-251-5517	FORTH
SATURDAY	Bob Burkhalter	408-856-1893	Disc I/O
SUNDAY	Hans Hansen	415-490-0175	DOS I & II



## Writers WHERE ARE YOU

This is getting old. So far I have one single contribution for the newsletter from anyone other than myself and my 800 is already "full-house" so I hve no use for the 16 K memory board we are offering for the best contribution to the newsletter. Please remember that the club is only as good as its members make it. I have learned a lot from my membership in the Bay Area Atari User Group. I feel that others do also. I haven't learned enough, in my opinion, to be able to be more than a beginners helper. (If you have any questions, call me. I do know the people who have the answers, most of them anyway.) We need program and article contributions desperately. **PLEASE GIVE HELP**

I would like to see several people take on a monthly column, one on FORTH, one on ASSEMBLY, one on PILOT, etc. This needn't be a time consuming thing. A couple of short paragraphs with a small program segment to illustrate a point would do it. I have in mind something fairly short explaining some small area of interest. For example a FORTH columnist could simply explain the useage and stack expectations of a few handy words.

Speaking of FORTH, I have now four different implementations. One from ATARI APX, one from Quality Software and two others obtained from individuals who use them. The one from QS was the only one with what could be called documentation. I feel that ATARI may have helped experienced programmers by releasing "Extended fig FORTH" but if their version is the first thing you run into it is very confusing. The documentation is good but sketchy. Nothing of a tutorial nature is included. The Atari contribution is unique in my collection for having floating point words and a decompiler word. Even in my very limited experience this latter has been useful. My experiences with FORTH have been very frustrating and tantalizing. I have learned just barely enough to get a hint of its power, but not enough to use it. Keep on plugging DAVE, maybe if you get the classes going you can make a breakthrough.

*Dave Flory*

## FORTH CLASSES

At the last meeting at Computer Capers, John Crane announced the start of his classes on FORTH. They are being held at the ATARI software developement center in Sunnyvale. If you are interested, and weren't there to sign up, see John at the next meeting. There are already enough signups to make two or three sessions of the class necessary.

## SOFTWARE REVIEW

There has been a lot of software added since I last wrote a software review, too much to cover completely here so I'll limit my coverage mostly to one program with very brief comments on the rest.

The major program is "Personal Finance for the Atari", produced by COMPUTARI, 9607 Athlone Drive, Dallas, Texas, 75218. This is a fairly complete personal finance program, which allows entering 96 checks each month in 26 user selectable categories. Each check is entered by number, amount, payee, category, & whether it is to be tax deducted.

You may enter your monthly budget in each of the categories you have set and then view a comparison of your expenditures to your budget with the difference displayed as well as the percentage of your income spent in each area (on the printer if you wish).

The graph section lets you display your expenditures in bar chart form, with your budget displayed as a white limit line and expenditures as a blue bar. The program works pretty well. The only really important problem with the way the program works is specifically mentioned in the documentation. You MUST return to the main menu after check entry or they are not recorded on the disk. After they are entered they can be searched on any of the fields and there is wild card search. Checks can be listed on the printer. There is also a checkbook balancing program which uses your entries and allows you to note which ones have cleared.

Any of you who have a subscription to MICRO-MEDIA MAGAZINE will recognize this program which was offered there in a less polished form. I could never get it to work in



the prior version but the present edition seems to be a very useful program. Prospective buyers should bear in mind that Synapse Software is developing a similar package and one might wish to see theirs before making a buy on a personal finance program. I like this one but the quality of Filemanager, and Diskmanager lead me to believe that their finance program will probably be one of the best available.

ONLINE MICROSYSTEMS is probably known to many of you for Jawbreakers. They also produce the Hi-res Adventure series.

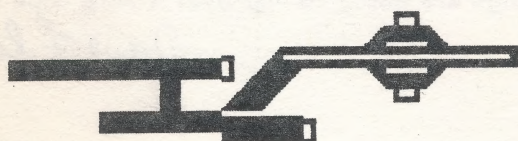
The first two available for the ATARI are Mission Asteroid and The Wizard and The Princess. The former is relatively short and designed to introduce you to the series. The Wiz is longer and is an enjoyable adventure. I do find the juggling of disks required to save games and restore games a pain, but the game is still fun. The adventures require booting on one disk and then using a second one containing the pictures of locations and a third one for saving.

The Next Step, a character set editor, is also from ONLINE. It works well as an editor and also writes code for you to load your characters as either a disk file, or, usually for just a few characters, as Basic DATA lines. It also includes a short program called Palette which lets you choose the setcolor statements you want for a particular color and hue. A few minor rough spots, like the joystick selection of options while editing, but pretty versatile and easy to use.

From APX comes "T: text display device".

For those of you who are interested in the use of modified character sets in programs for graphics, this one is worth examining. It allows many different types of character displays not normally available thru' BASIC. These include half width characters, multicolor characters, use of characters in graphics modes, etc.

STARTREK



## ATARI 800 HAS A NEC!

An ATARI with a NEC you say? Well no, its not a new breed, or bad spelling. This NEC is a model PC-8032A-C printer, and an excellent unit it is too. NEC makes the well known "Spinwriter" series, and they also make micro computers, you may have seen the PC-8001A at Central Campbell Computers.

The NEC is a 9x7 dot matrix bidirectional printer with logic seeking the shortest path giving it a printing speed of 100cps. It has dot addressable graphics so you can do screen dumps as well as some very nice printing, here are some of the possibilities:

### EXTENDED CHARACTERS

### EXTENDED & ENHANCED

This is normal PICA, 10 cpi.

This is the ELITE, 12 cpi.

This is scrunched or very tiny printing.

And now we have the much touted proportional spacing.

Now for the scientist we have  $\pi^2$ , or this,  $6 \times 10^8$ , and there are more.

Normal CAPS in enhanced mode are shown as the title of this article, and finally this brings us to do some underlining of a word or two and it can be turned on or off at will.

So much for the printing capabilities, another nice feature is the paper handling. There is a variable width pin feed, and a rubber platten for feeding single sheets of any width up to 10".

Thats about it for general specs, how much you say, well you can get them for from \$600 to \$800. I got mine from ON-LINE at the Almaden Fashion Plaza. Good luck on your horse trading.

Vic Rogers







The current membership list is printed here in both alphabetical and zipcode order, so you can check for people who live near you who are currently paid members of the club. We did not print the addresses so no one should come knocking on your door unless you give them your address first.

STARFLEET,, LITTLETON, 80121  
A.B.A.C.U.S.,, SAN FRANCISCO, 94107  
A.C.A.O.C.,, WESTMINSTER, 92683  
A.C.C.OKC.,, OKC, 73213  
A.C.U.G.D.,, ADDISON, 75001  
George Amy, 415 489-4732, Union City, 94587  
ARIES ELECTRIC, 415 239-5393, SAN FRANCISCO, 94112  
PAUL ARNOLD, 408 735-8545, SUNNYVALE, 94086  
THOMAS ARNOLDUSSEN, 415 967-4824, LOS ALTOS, 94022  
WEST VALLEY ATARI USER GRP., 213 892-8164, NORTHRIDGE, 91324  
NEW ORLEANS ATARI USER GRP., 504 861-4167, NEW ORLEANS, 70118  
NANCY AYERS, 415 323-9138, MENLO PARK, 94025  
DEAN BARTON, 408 737-2648, CUPERTINO, 95014  
CHARLIE BELDEN, 408 371-5747, SAN JOSE, 95124  
STAN & VAL BERRY, 408 225-5654, SAN JOSE, 95119  
VICTOR BORGNIS, 415 961-0708, MOUNTAIN VIEW, 94041  
Dan Bridgeman, 408 578-3266, San Jose, 95123  
MICHAEL J. BROGLEY, 408 269-8038, SAN JOSE, 95118  
The Byte Farm, 408 375-5835, Monterrey, 93940  
Jim Chung c/o Dysan Corp., 408 988-3472, Santa Clara, 95050  
Josh Feurman c/o The Emporium, 408 296-1111, Santa Clara, 95050  
COMPUTER CAPERS, 415 941-1360, MTN. VIEW,  
Brian Clausen, 408 268-3297, San Jose, 95120  
LOUIS CLERIC, 415 656-6095, FREMONT, 94538  
Lynn Clock, 805 733-2526, Lompoc, 93436  
GEORGE COSSEY, 408 266-2951, SAN JOSE, 95136  
JOHN CRANE, 408 268-7317, SAN JOSE, 95120  
STEVE DEFRISCO, 408 997-0644, SAN JOSE, 95120  
WILLIAM DEWING, 415 856-1441, PALO ALTO, 94303  
MIKE ELDRIDGE, 408 779-8890, MORGAN HILL, 95037  
BENTON ELKINS, 408 984-5663, SANTA CLARA, 95051  
Mark Elliot, 415 969-1940, Sunnyvale, 94086  
JERRY FALKENHAN, 408 997-7006, SAN JOSE, 95120  
Electronic Fantasy, 408 255-9541, Cupertino, 95014  
MONTY FINEFROCK, 415 493-2892, PALO ALTO, 94306  
AMY FIOCK, 408 738-1835, SUNNYVALE, 94086  
David Flory, 408 244-7181, San Jose, 95117  
GEORGE L. GEANNOPOULOS, 408 247-0820, SANTA CLARA, 95051  
MICHAEL GOLD, 415 363-2356, REDWOOD CITY, 94063  
JOHN GRAAS, 408 997-7502, SAN JOSE, 95120  
TERRY L. GRANT,, SAN JOSE, 95129  
THOMAS GRANVOLD, 408 247-7568, SUNNYVALE, 94086  
RONALD GUDITUS, 408 378-5110, CAMPBELL, 95008  
RICHARD E. HAAS,, LOS ALTOS, 94022  
HANS HANSEN, 415 490-0175, FREMONT, 94538  
Rich Harvey, 916 991-6856, Rio Linda, 95673  
Nira Hativa, 415 858-1352, Stanford, 94305  
BOB & LYNN HINDS, 408 226-4513, SAN JOSE, 95136  
Valerie and Wm. Hogan, 415 4667, Foster City, 94404  
RICHARD HUNTSINGER, 408, SANTA CLARA, 95050  
WALLY HURLEY, 415 791-5012, FREMONT, 94536  
Russ Ide, 408 996-2807, Cupertino, 95014  
DICK KUSHNER / J.A.C.G.,, HIGH BRIDGE, 08829  
WALTER JOHNSON, 408 224-4209, MORGAN HILL, 95037  
ROBERT KAWARATANI, 415 856-3579, PALO ALTO, 94303



M

MICHAEL KELLY, 415 865-1233, ALAMEDA, 94501  
FRED KEPLINGER, 408 356-6945, LOS GATOS, 95030  
ABDUL KHATRI, 408 259-4317, SAN JOSE, 95733  
STEVE KILGORE, 408 426-5610, SANTA CRUZ, 95060  
Dave & Judie King, 415 471-3295, Hayward, 94544  
BARRY KLAAS, 408 354-1207, LOS GATOS, 95030  
Robin Lau, 408 259-2186, San Jose, 95156  
WILLIAM LENNON, 415 820-6081, CANVILLE, 94526  
DAVE LEUTZ, 408 578-8330, SAN JOSE, 95123  
ROBERT LINDEMANN, 408 984-2220, SUNNYVALE, 94086  
M.A.C.E.,, SOUTHFIELD, 48037  
MAHLON MAJETTE, 415, CONCORD, 94520  
THOMAS MARSHALL, 217 352-0225, CHAMPAIGN, 61820  
ED MATHURIN, 408 356-2991, LOS GATOS, 95030  
CHRISTOPHER McAfee, 408 258-8442, SAN JOSE, 95132  
ONLINE MICROCENTERS,, HAYWARD, 94544  
DR. MARTIN MOLLOY, 415 494-6639, PALO ALTO, 94306  
GEORGE NICOL, 415 321-6991, PALO ALTO, 94301  
RON OLIVE, 415 321-1298, PALO ALTO, 94301  
P.C.A.C.U.G.,, APO MIAMI, 34008  
ALBERT PALMER, 415 969-6447, MT. VIEW, 94043  
HERBERT PERASSO, 408 739-2008, SUNNYVALE, 94086  
ANDREW PRAX, 408 247-9110, SUNNYVALE, 94086  
RAC PRODUCTS, 408 274-1915, SAN JOSE, 95122  
MICHAEL RALLY, 408 377-6557, SAN JOSE, 95125  
DON RENO, 408 258-3964, SAN JOSE, 95127  
GARY RESTO,, SPRING VALLEY, 10977  
PARKER ROBINSON, 415 322-7664, PALO ALTO, 94301  
VICTOR ROGERS, 408 779-0185, MORGAN HILL, 95037  
BOB ROOS, 408 997-6527, SAN JOSE, 95120  
c/o DICK HIATT S.D.A.C.E.,, LA MESA, 92041  
MICHAEL G. SAUER, 408 255-3905, CUPERTINO, 95014  
PHILLIP SAZIO, 415 726-0459, HALF MOON BAY, 94019  
WILLIAM SEIVERT, 408 262-6506, SAN JOSE, 95132  
Atari Field Service, 408 745-4254, Sunnyvale, 94086  
David L. Siesel, 415 534-9398, Hayward, 94542  
RONALD SIVERTSON, 415 948-0366, LOS ALTOS, 94022  
CLYDE SPENCER, 415 965-9355, LOS ALTOS, 94022  
Harry B. Stewart, 408 395-6478, San Jose, 95126  
GERALD STUMP, 408 371-8146, SAN JOSE, 95124  
TOM TALLMON, 408 266-8240, SAN JOSE, 95123  
JEAN THOMPSON, 415 324-9344, PALO ALTO, 94301  
MICHAEL TINNEY, 707 823-0064, SEBASTOPOL, 95472  
Jim Vaughan, 415 948-1158, Los Altos, 94022  
JAMES VICK, 408 247-8246, SAN JOSE, 95129  
RICHARD & VICKI WENDELL, 408 578-3847, SAN JOSE, 95121  
Tom Williams, 303 598-6501, Colorado Springs, 80919  
DUANE WILLIS, 415 967-1276, MOUNTAIN VIEW, 94040  
RAYMOND WIMSETT, 408 374-8519, SAN JOSE, 95117  
ROBERT WOERLEE, 408 578-7521, SAN JOSE, 95121  
The Xerox Store, 408 248-9000, San Jose, 95128  
MYRON ZEISSLER, 408 725-0499, SARATOGA, 95070

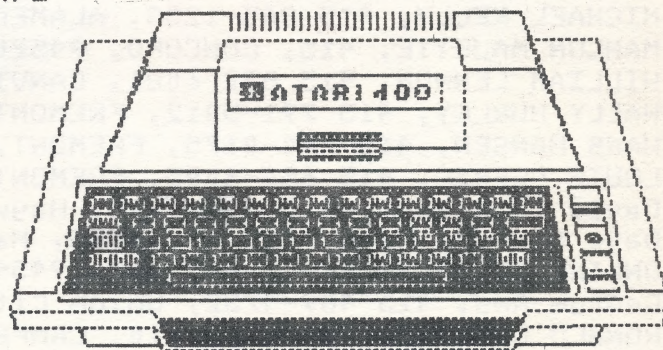


COMPUTER CAPERS, 415 941-1360, MTN. VIEW,  
 DICK KUSHNER / J.A.C.G., HIGH BRIDGE, 08829  
 GARY RESTO,, SPRING VALLEY, 10977  
 P.C.A.C.U.G., APO MIAMI, 34008  
 M.A.C.E., SOUTHFIELD, 48037  
 THOMAS MARSHALL, 217 352-0225, CHAMPAIGN, 61820  
 NEW ORLEANS ATARI USER GRP., 504 861-4167, NEW ORLEANS, 70118  
 A.C.C.OKC., OKC, 73213  
 A.C.U.G.D., ADDISON, 75001  
 STARFLEET,, LITTLETON, 80121  
 Tom Williams, 303 598-6501, Colorado Springs, 80919  
 WEST VALLEY ATARI USER GRP., 213 892-8164, NORTHRIDGE, 91324  
 c/o DICK HIATT S.D.A.C.E., LA MESA, 92041  
 A.C.A.O.C., WESTMINSTER, 92683  
 Lynn Clock, 805 733-2526, Lompoc, 93436  
 The Byte Farm, 408 375-5835, Monterrey, 93940  
 PHILLIP SAZIO, 415 726-0459, HALF MOON BAY, 94019  
 RICHARD E. HAAS,, LOS ALTOS, 94022  
 CLYDE SPENCER, 415 965-9355, LOS ALTOS, 94022  
 RONALD SIVERTSON, 415 948-0366, LOS ALTOS, 94022  
 Jim Vaughan, 415 948-1158, Los Altos, 94022  
 THOMAS ARNOLDUSSEN, 415 967-4824, LOS ALTOS, 94022  
 NANCY AYERS, 415 323-9138, MENLO PARK, 94025  
 DUANE WILLIS, 415 967-1276, MOUNTAIN VIEW, 94040  
 VICTOR BORGNIS, 415 961-0708, MOUNTAIN VIEW, 94041  
 ALBERT PALMER, 415 969-6447, MT. VIEW, 94043  
 MICHAEL GOLD, 415 363-2356, REDWOOD CITY, 94063  
 PAUL ARNOLD, 408 735-8545, SUNNYVALE, 94086  
 ANDREW PRAX, 408 247-9110, SUNNYVALE, 94086  
 Mark Elliot, 415 969-1940, Sunnyvale, 94086  
 AMY FIOCK, 408 738-1835, SUNNYVALE, 94086  
 HERBERT PERASSO, 408 739-2008, SUNNYVALE, 94086  
 ROBERT LINDEMANN, 408 984-2220, SUNNYVALE, 94086  
 Atari Field Service, 408 745-4254, Sunnyvale, 94086  
 THOMAS GRANVOLD, 408 247-7568, SUNNYVALE, 94086  
 A.B.A.C.U.S., SAN FRANCISCO, 94107  
 ARIES ELECTRIC, 415 239-5393, SAN FRANCISCO, 94112  
 JEAN THOMPSON, 415 324-9344, PALO ALTO, 94301  
 GEORGE NICOL, 415 321-6991, PALO ALTO, 94301  
 PARKER ROBINSON, 415 322-7664, PALO ALTO, 94301  
 RON OLIVE, 415 321-1298, PALO ALTO, 94301  
 ROBERT KAWARATANI, 415 856-3579, PALO ALTO, 94303  
 WILLIAM DEWING, 415 856-1441, PALO ALTO, 94303  
 Nira Hativa, 415 858-1352, Stanford, 94305  
 DR. MARTIN MOLLOY, 415 494-6639, PALO ALTO, 94306  
 MONTY FINEFROCK, 415 493-2892, PALO ALTO, 94306  
 Valerie and Wm. Hogan, 415 4667, Foster City, 94404  
 MICHAEL KELLY, 415 865-1233, ALAMEDA, 94501  
 MAHLON MAJETTE, 415, CONCORD, 94520  
 WILLIAM LENNON, 415 820-6081, CANVILLE, 94526  
 WALLY HURLEY, 415 791-5012, FREMONT, 94536  
 HANS HANSEN, 415 490-0175, FREMONT, 94538  
 LOUIS CLERIC, 415 656-6095, FREMONT, 94538  
 David L. Siesel, 415 534-9398, Hayward, 94542  
 Dave & Judie King, 415 471-3295, Hayward, 94544  
 ONLINE MICROCENTERS,, HAYWARD, 94544  
 George Amy, 415 489-4732, Union City, 94587  
 RONALD GUDITUS, 408 378-5110, CAMPBELL, 95008  
 DEAN BARTON, 408 737-2648, CUPERTINO, 95014  
 Electronic Fantasy, 408 255-9541, Cupertino, 95014  
 Russ Ide, 408 996-2807, Cupertino, 95014  
 MICHAEL G. SAUER, 408 255-3905, CUPERTINO, 95014



ED MATHURIN, 408 356-2991, LOS GATOS, 95030  
 BARRY KLAAS, 408 354-1207, LOS GATOS, 95030  
 FRED KEPLINGER, 408 356-6945, LOS GATOS, 95030  
 MIKE ELDRIDGE, 408 779-8890, MORGAN HILL, 95037  
 WALTER JOHNSON, 408 224-4209, MORGAN HILL, 95037  
 VICTOR ROGERS, 408 779-0185, MORGAN HILL, 95037  
 Jim Chung c/o Dysan Corp., 408 988-3472, Santa Clara, 95050  
 Josh Feuerman c/o The Emporium, 408 296-1111, Santa Clara, 95050  
 RICHARD HUNTSINGER, 408, SANTA CLARA, 95050  
 GEORGE L. GEANNOPOULOS, 408 247-0820, SANTA CLARA, 95051  
 BENTON ELKINS, 408 984-5663, SANTA CLARA, 95051  
 STEVE KILLGORE, 408 426-5610, SANTA CRUZ, 95060  
 MYRON ZEISSLER, 408 725-0499, SARATOGA, 95070  
 David Flory, 408 244-7181, San Jose, 95117  
 RAYMOND WIMSETT, 408 374-8519, SAN JOSE, 95117  
 MICHAEL J. BROGLEY, 408 269-8038, SAN JOSE, 95118  
 STAN & VAL BERRY, 408 225-5654, SAN JOSE, 95119  
 JERRY FALKENHAN, 408 997-7006, SAN JOSE, 95120  
 JOHN CRANE, 408 268-7317, SAN JOSE, 95120  
 STEVE DEFRISCO, 408 997-0644, SAN JOSE, 95120  
 BOB ROOS, 408 997-6527, SAN JOSE, 95120  
 JOHN GRAAS, 408 997-7502, SAN JOSE, 95120  
 Brian Clausen, 408 268-3297, San Jose, 95120  
 RICHARD & VICKI WENDELL, 408 578-3847, SAN JOSE, 95121  
 ROBERT WOERLEE, 408 578-7521, SAN JOSE, 95121  
 RAC PRODUCTS, 408 274-1915, SAN JOSE, 95122  
 DAVE LEUTZ, 408 578-8330, SAN JOSE, 95123  
 TOM TALLMON, 408 266-8240, SAN JOSE, 95123  
 Dan Bridgeman, 408 578-3266, San Jose, 95123  
 GERALD STUMP, 408 371-8146, SAN JOSE, 95124  
 CHARLIE BELDEN, 408 371-5747, SAN JOSE, 95124  
 MICHAEL RALLY, 408 377-6557, SAN JOSE, 95125  
 Harry B. Stewart, 408 395-6478, San Jose, 95126  
 DON RENO, 408 258-3964, SAN JOSE, 95127  
 The Xerox Store, 408 248-9000, San Jose, 95128  
 JAMES VICK, 408 247-8246, SAN JOSE, 95129  
 TERRY L. GRANT,, SAN JOSE, 95129  
 WILLIAM SEIVERT, 408 262-6506, SAN JOSE, 95132  
 CHRISTOPHER McAFEE, 408 258-8442, SAN JOSE, 95132  
 BOB & LYNN HINDS, 408 226-4513, SAN JOSE, 95136  
 GEORGE COSSEY, 408 266-2951, SAN JOSE, 95136  
 Robin Lau, 408 259-2186, San Jose, 95156  
 MICHAEL TINNEY, 707 823-0064, SEBASTOPOL, 95472  
 Rich Harvey, 916 991-6856, Rio Linda, 95673  
 ABDUL KHATRI, 408 259-4317, SAN JOSE, 95733

*If I missed  
 someone who wanted  
 to be here, I'm sure you'll  
 let me know??  
 Dave Flory*



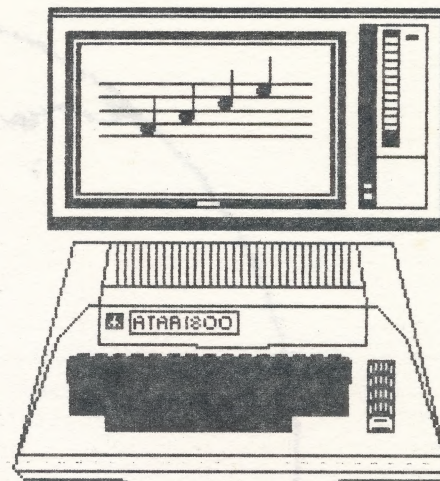
ATARI PERSONAL COMPUTERS



```

10 REM PROGRAM BY BRUCE DEWING
20 REM BAUG 02/18/82
30 REM
40 ? " } + DOODLE + "
50 ? " * Write with ' JOYSTICK '. "
60 ? " * Erase with ' TRIGGER 'on."
70 ? " * Color select with 'ANY KEY' "
80 ? " * Clear screen & change size"
90 ? " of paint brush with 'START'."
100 ? " TO BEGIN, press 'ANY KEY' "
110 IF PEEK(764)=255 THEN 110
120 E=40:F=24:D=3:G=1
130 GRAPHICS 19:COLOR 1:POKE 710,66
140 B=20:C=13:PLOT B,C
150 REM * * STICK MOVEMENT * *
160 ON STICK(0) GOTO 0,0,0,0,200,180,230,0,220,240,210,0,190,170,250
170 C=C-1:GOTO 250
180 B=B+1:C=C-1:GOTO 250
190 C=C+1:GOTO 250
200 B=B+1:C=C+1:GOTO 250
210 B=B-1:GOTO 250
220 B=B-1:C=C+1:GOTO 250
230 B=B+1:GOTO 250
240 B=B-1:C=C-1
250 IF B=0 THEN B=1
260 IF C=0 THEN C=1
270 IF B=E THEN B=E-1
280 IF C=F THEN C=F-1
290 IF PEEK(53279)<>7 THEN 410
300 IF PEEK(764)<>255 THEN 500
310 IF STRIG(0)<>0 THEN 370
320 REM * * ERASE * *
330 COLOR 0
340 PLOT X,Y
350 COLOR G
360 REM * * DRAW * *
370 PLOT B,C
380 X=B:Y=C
390 GOTO 160
400 REM * * CHANGE SIZE * *
410 ON D GOTO 420,0,420,0,430,0,440
420 D=5:E=80:F=48:GOTO 450
430 D=7:E=160:F=95:GOTO 450
440 D=3:E=40:F=23
450 REM PLOT 1,1
460 GRAPHICS D+16:POKE 710,66
470 B=E/2:C=INT(F/2):PLOT B,C
480 FOR H=1 TO 80:NEXT H:GOTO 380
490 REM * * CHANGE COLOR * *
500 G=G+1:IF G=4 THEN G=1
510 COLOR G:POKE 764,255
520 POKE 710,66:GOTO 160
530 END

```



### FOR SALE

ATARI 825 PRINTER IN EXCELLENT  
CONDITION with packing box and  
manual and with connecting  
cable. \$425 firm. 415/965-9355  
Clyde Spencer

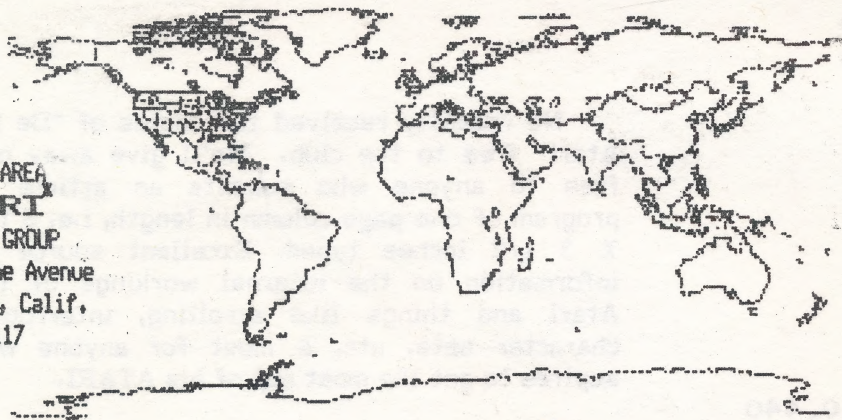
We recently received ten copies of "De Re  
Atari" free to the club. We'll give away one  
free to anyone who submits an article or  
program of one page column in length, i.e. 8 1/2  
X 3 1/2 inches typed. Excellent source of  
information on the internal workings of the  
Atari and things like scrolling, interrupts,  
character sets, etc. A must for anyone who  
aspires to get the most out of his ATARI.

### GOOD DISK BUY

IF YOU WANT A GOOD BUY IN QUALITY  
DISKS MAKE SURE YOU ARE AT THE MARCH  
DYSAN MEETING.!!

Anyone interested in a mask for VISICALC  
which calculates the value of an investment  
(originally designed for IRA's) see me for a free  
copy. Just bring your disk. Dave Flory





BAY AREA  
**ATARI**  
USERS GROUP

4029 Payne Avenue  
San Jose, Calif.  
95117



GARY CHANG  
2265 DEBORAH DR., #1  
SANTA CLARA CA 95050